




BODY CONTROL/COMMUNICATION SYSTEM

BCCS

1. General Description
2. Relay and Fuse
3. Body Integrated Unit
4. Central Gateway CM

BODY CONTROL/COMMUNICATION SYSTEM > General Description

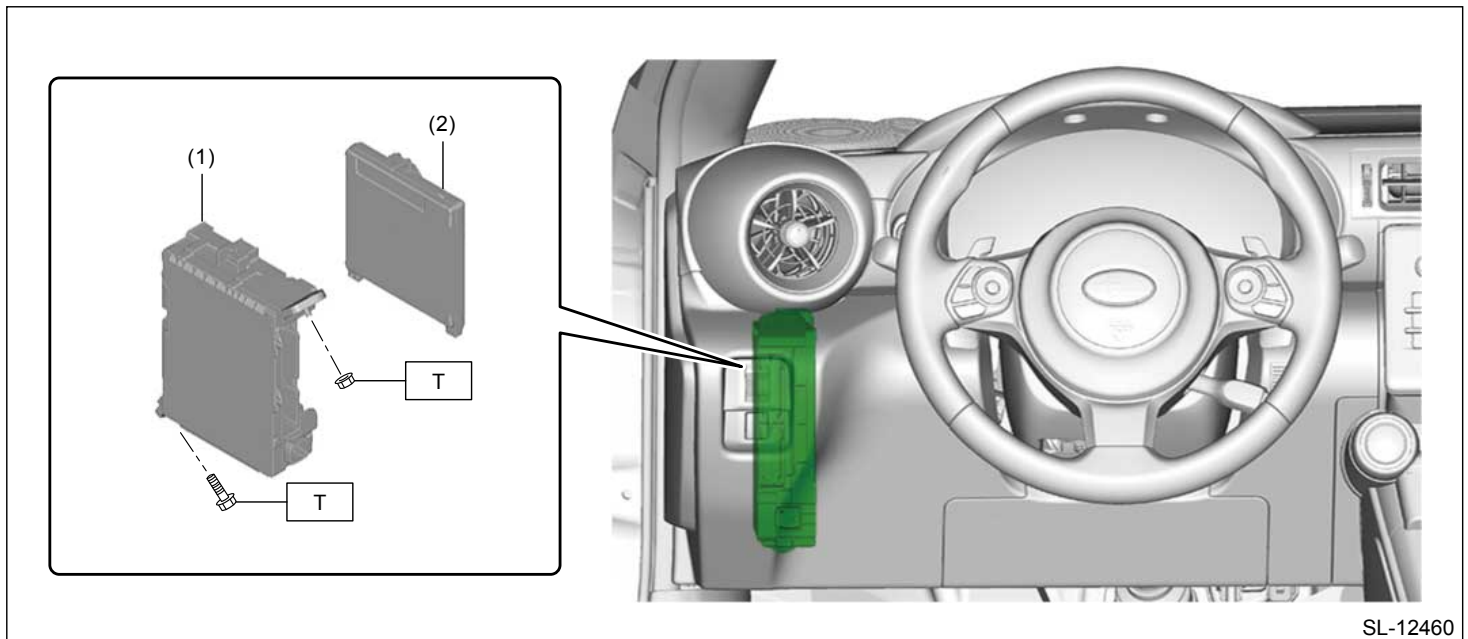
CAUTION

- When performing service operation, refer to "Repair Contents" in "General Description".  [Ref. to REPAIR CONTENTS>Repair Contents.](#)
- Refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM" section.  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)
- When performing work on the sensors or modules, be careful of the following.
 - Before disconnecting electrical connectors, be sure to disconnect the ground terminal from the battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
 - Do not apply any impact. If the parts are accidentally dropped, replace with a new part.
 - Do not expose to high-temperature and humidity.
- When replacing the parts provided with memory functions, record the memory contents before disconnecting the ground terminal from the battery sensor.

BODY CONTROL/COMMUNICATION SYSTEM > General Description

COMPONENT

1. BODY INTEGRATED UNIT



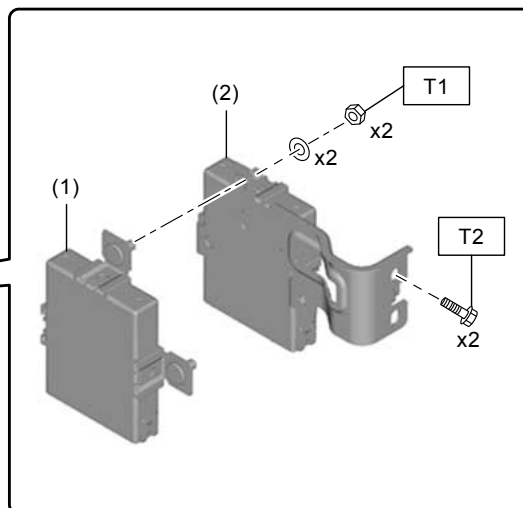
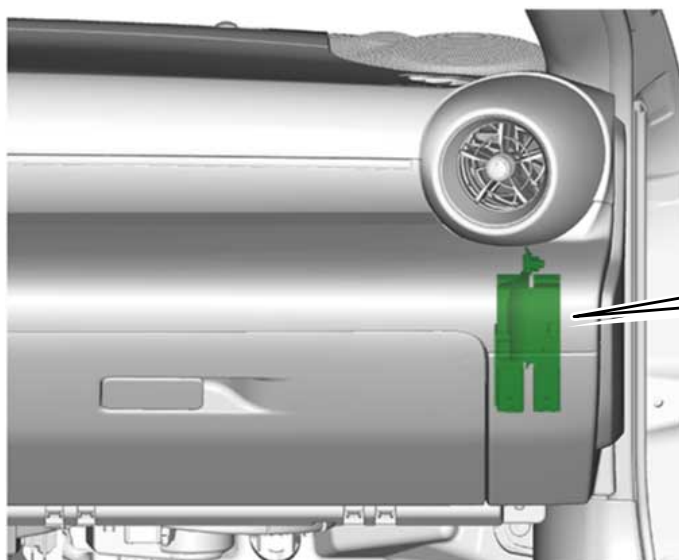
(1) F/B

(2) Body integrated unit

Tightening torque: N·m (kgf-m, ft-lb)

T: 7.5 (0.8, 5.5)

2. CENTRAL GATEWAY CM



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- (1) EyeSight security gateway CM (2) Central gateway CM
(model with EyeSight)

Tightening torque: N·m (kgf-m, ft-lb)


T1: 5 (0.5, 3.7)

T2: 7.5 (0.8, 5.5)

BODY CONTROL/COMMUNICATION SYSTEM > General Description


PREPARATION TOOL

1. SUBARU SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>STSSM4</p>	—	SUBARU SELECT MONITOR 4	<p>Used for setting of each function and troubleshooting for electrical system.</p> <p>Note:</p> <ul style="list-style-type: none"> For detailed operation procedures, refer to “Help” of application. Used together with interface for Subaru Select Monitor (such as DST-i and DST-010).

BODY CONTROL/COMMUNICATION SYSTEM > Relay and Fuse

LOCATION

For the location, refer to "FUSE AND RELAY" in the wiring diagram.  [Ref. to WIRING SYSTEM>Fuse And Relay>LOCATION.](#)

Note:
For details of relay and fuse, refer to "DC POWER SUPPLY CIRCUIT".  [Ref. to WIRING SYSTEM>Power Supply Circuit>WIRING DIAGRAM.](#)

BODY CONTROL/COMMUNICATION SYSTEM > Relay and Fuse

INSPECTION

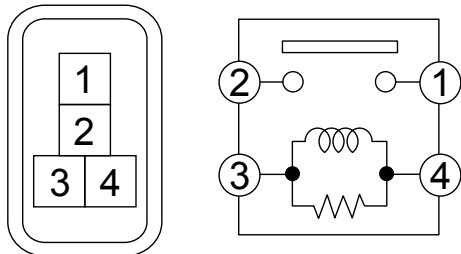
1. CHECK FUSE

- 1. Remove the fuse and inspect visually.
- 2. If the fuse is blown out, replace the fuse.

Note:
If the fuse is blown again, check the system wiring harness.

2. CHECK RELAY

- 1. Measure the resistance between relay terminals.

Terminal No.	Inspection conditions	Standard	Circuit
1 — 2	Always	1 MΩ or more	
1 — 2	Apply battery voltage between terminals 4 and 3.	Less than 1 Ω	

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- 2. Replace the relay if the inspection result is not within the standard value.




BODY CONTROL/COMMUNICATION SYSTEM > Body Integrated Unit

REMOVAL

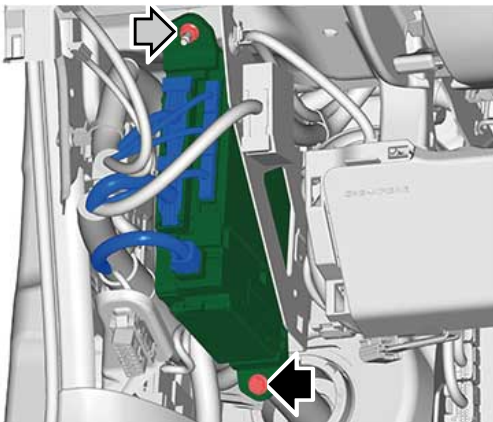


Caution:

Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

- 1.** When replacing the body integrated unit, check and record the current settings.  [Ref. to BODY CONTROL\(DIAGNOSTICS\)>Registration Body Integrated Unit>OPERATION > CONFIRM CURRENT SETTING.](#)
- 2.** Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
- 3.** Remove the cover LWR driver OUT.  [Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>REMOVAL > OUTSIDE.](#)
- 4.** Remove the body integrated unit.
 - (1) Remove the bolt and nut which secure the F/B.
 - (2) Disconnect each connector, and then remove the F/B and body integrated unit as a unit.

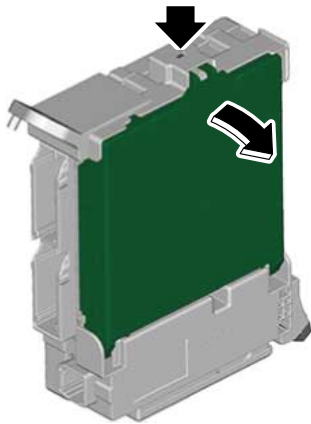
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- (3) Release the claw, and remove the body integrated unit.

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BODY CONTROL/COMMUNICATION SYSTEM > Body Integrated Unit

INSTALLATION




Caution:

Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

1. Install the body integrated unit.
2. Connect each connector, and install the F/B.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)












3. Install the cover LWR driver OUT.  [Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>INSTALLATION > OUTSIDE.](#)
4. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
5. When the body integrated unit has been replaced, set the current settings as recorded.  [Ref. to BODY CONTROL\(DIAGNOSTICS\)>Registration Body Integrated Unit>OPERATION > REGISTRATION BODY INTEGRATED UNIT \(FUNCTION SETTING\).](#)

BODY CONTROL/COMMUNICATION SYSTEM > Central Gateway CM

REMOVAL

Caution:

Before handling the airbag system components, always refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)

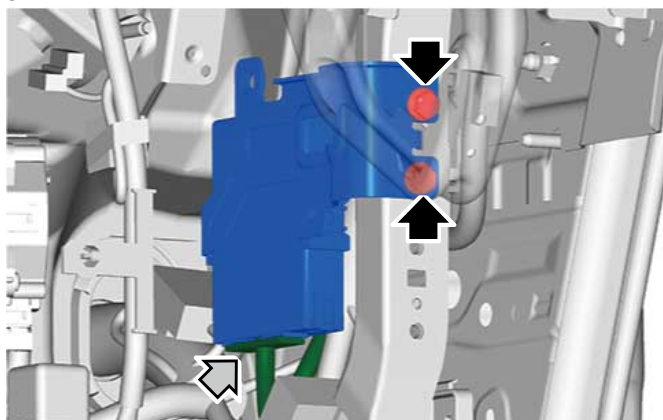
- 1.** Disconnect the ground terminal from the battery sensor, and wait for at least 60 seconds before starting work.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
- 2.** Remove the pocket COMPL.  [Ref. to EXTERIOR/INTERIOR TRIM>Glove Box>REMOVAL > GLOVE BOX LID.](#)
- 3.** Remove the boot assembly parking brake and the console box assembly.  [Ref. to EXTERIOR/INTERIOR TRIM>Console Box>REMOVAL.](#)
- 4.** Remove the cover center side.  [Ref. to EXTERIOR/INTERIOR TRIM>Center Console>REMOVAL.](#)
- 5.** Remove the cover LWR driver INN.  [Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>REMOVAL > INSIDE.](#)
- 6.** Remove the cover assembly instrument panel side RH and the panel center UPR assembly.  [Ref. to AIR CONDITIONER>Air Vent Grille>REMOVAL > CENTER GRILLE.](#)
- 7.** Remove the center information display assembly.  [Ref. to ENTERTAINMENT & MONITORING>Cockpit Display>REMOVAL.](#)
- 8.** Remove the heater control assembly.  [Ref. to AIR CONDITIONER>Control Panel>REMOVAL.](#)
- 9.** Remove the panel instrument passenger.  [Ref. to EXTERIOR/INTERIOR TRIM>Glove Box>REMOVAL > BACK PANEL.](#)
- 10.** Remove the sound control assembly.  [Ref. to ACTIVE SOUND CONTROL>Active Sound Control CM>REMOVAL.](#)
- 11.** Remove the keyless access CM.  [Ref. to SECURITY AND LOCKS>Keyless Access CM>REMOVAL.](#)
- 12.** Remove the central gateway CM.

Caution:

Be careful to keep water and other foreign materials away from the central gateway CM and EyeSight security gateway CM terminals.

- (1) Disconnect the connector.
- (2) Remove the bolts, and then remove the central gateway CM.
 - Models without EyeSight

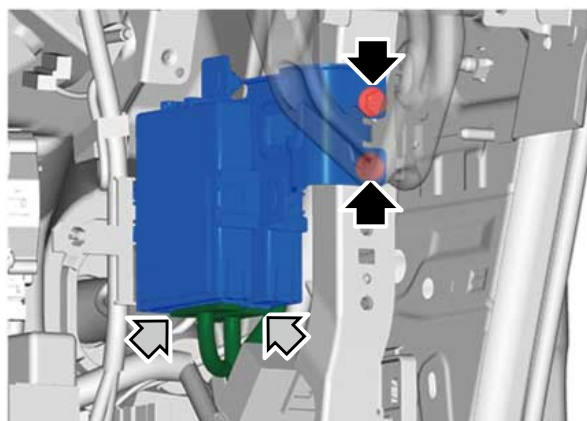
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- Models with EyeSight

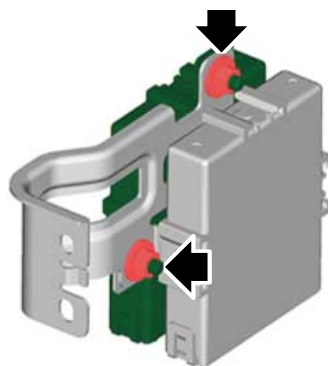
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(3) Remove the nuts and washers, and then remove the EyeSight security gateway CM from the central gateway CM. (Models with EyeSight)

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BODY CONTROL/COMMUNICATION SYSTEM > Central Gateway CM

INSTALLATION

Caution:

- Before handling the airbag system components, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM".  [Ref. to AIRBAG SYSTEM>General Description>CAUTION.](#)
- When the central gateway CM has been replaced, be sure to perform the module registration.

1. Install the EyeSight security gateway CM to the central gateway CM. (Models with EyeSight)
Tightening torque:
5 N·m (0.5 kgf-m, 3.7 ft-lb)
2. Install the central gateway CM, and connect the connector.
Tightening torque:
7.5 N·m (0.8 kgf-m, 5.5 ft-lb)
3. Install the keyless access CM.  [Ref. to SECURITY AND LOCKS>Keyless Access CM>INSTALLATION.](#)
4. Install the sound control assembly.  [Ref. to ACTIVE SOUND CONTROL>Active Sound Control CM>INSTALLATION.](#)
5. Install the panel instrument passenger.  [Ref. to EXTERIOR/INTERIOR TRIM>Glove Box>INSTALLATION > BACK PANEL.](#)
6. Install the heater control assembly.  [Ref. to AIR CONDITIONER>Control Panel>INSTALLATION.](#)
7. Install the center information display assembly.  [Ref. to ENTERTAINMENT & MONITORING>Cockpit Display>INSTALLATION.](#)
8. Install the panel center UPR assembly and cover assembly instrument panel side RH.  [Ref. to AIR CONDITIONER>Air Vent Grille>INSTALLATION > CENTER GRILLE.](#)
9. Install the cover LWR driver INN.  [Ref. to EXTERIOR/INTERIOR TRIM>Instrument Panel Lower Cover>INSTALLATION > INSIDE.](#)
10. Install the cover center side.  [Ref. to EXTERIOR/INTERIOR TRIM>Center Console>INSTALLATION.](#)
11. Install the console box assembly and the boot assembly parking brake.  [Ref. to EXTERIOR/INTERIOR TRIM>Console Box>INSTALLATION.](#)
12. Install the pocket COMPL.  [Ref. to EXTERIOR/INTERIOR TRIM>Glove Box>INSTALLATION > GLOVE BOX LID.](#)
13. Connect the ground terminal to battery sensor.  [Ref. to REPAIR CONTENTS>NOTE > BATTERY.](#)
14. When the central gateway CM has been replaced, perform the module registration.  [Ref. to COMMON \(DIAGNOSTICS\)>Unit Registration>OPERATION.](#)